

Akuvox Smart
Intercom



Connected with Control4

About This Manual

Control4 develops smart home automation systems to control lighting, entertainment, security, energy, and other connected devices. The company's 2013 initial public offering was considered to be the first pure-play home automation IPO ever.

This manual is intended for guiding dealers of configuring and adding Akuvox smart intercoms to a Control4 solution. It will introduce how dealers can make video calls between Akuvox smart intercoms and Control4 T3 10" dock tablet, and manage the door lock connected to the Akuvox smart intercoms. Akuvox door phone can send video stream via MJPEG codec or H264 codec which dealers need to enable RTSP server in Akuvox door phone. Control4 will open the door via HTTP command which dealers need to enable open relay via HTTP feature in Akuvox door phone.

Please visit [Akuvox forum](#) or consult technical support for any new information or latest firmware.

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1. Overview

1.1. Before You Begin

Hardware:

Akuvox door station: Take R20 for an example, firmware 20.61.103.4

Akuvox indoor monitor: Take C313 for an example, firmware 113.0.4.56

Control4 Controller EA1: version 3.1.0

Control4 T3 10" dock tablet: version 3.1.0

Software:

Composer: version 3.1.0

Door station's driver version: Akuvox R20

Indoor monitor's driver version: Akuvox C313

Other driver: Door lock

1.2. Connection Diagram

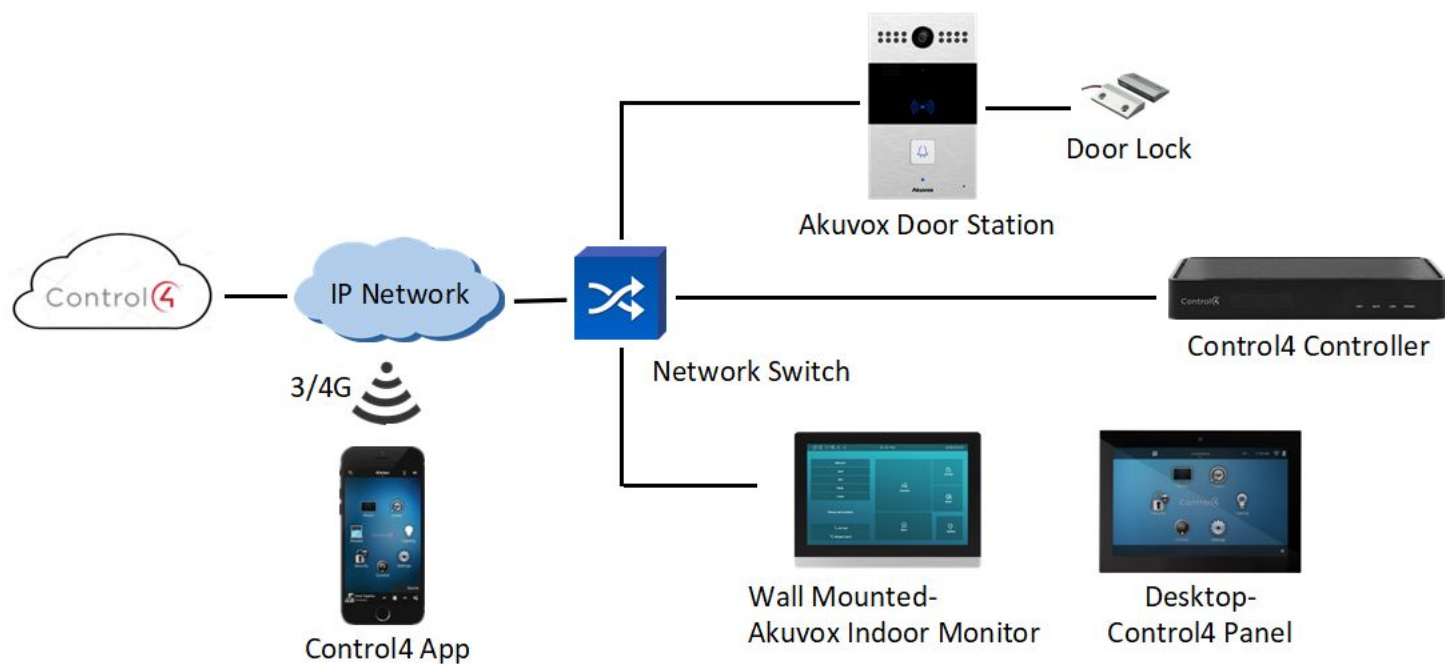


Figure 1.2 Connection

1.3. Power on Akuvox devices

Akuvox smart intercoms can be powered on via POE or 12V/1A power adapter.

Take R20 and C313 for examples:

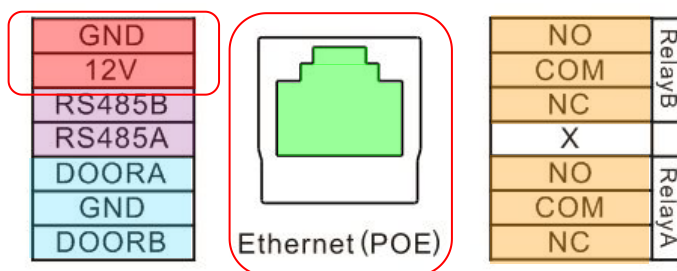


Figure 1.3-1 R20's interface

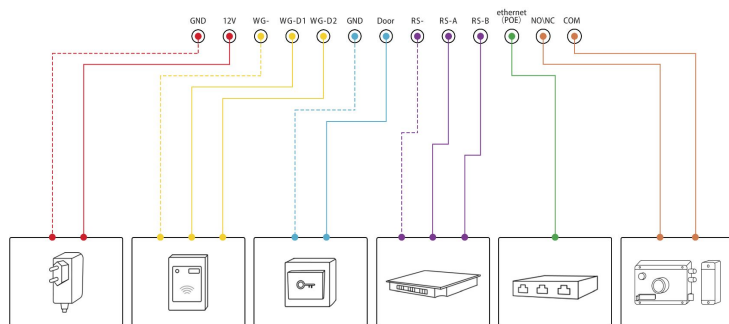


Figure 1.3-2 General interface

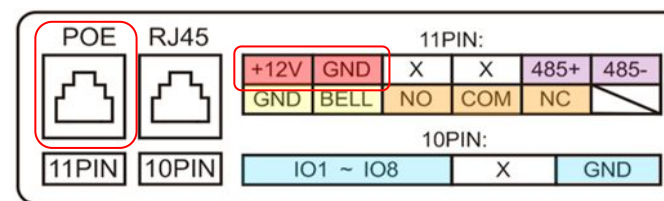


Figure 1.3-3 C313's interface

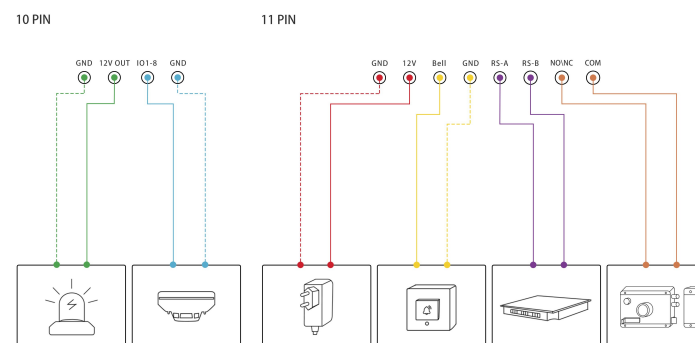


Figure 1.3-4 General interface

2. Door Phone Configurations

2.1. Obtain IP Address

1. For devices with single button - E21/ R20/ R23/ R26:

While E21/ R20/ R23/ R26 power up normally, hold the call button for 5 seconds after the statue LED turns blue and it will enter IP announcement mode. In announcement mode, the IP address will be announced periodically. Press call button again to quit the announcement mode.

2. For devices with multiple numeric keyboard - R27/ R28:

While R27 /R28 power up normally, press ***2396#** to enter administrator interface and press **1** to enter system Information interface to check the IP address.

3. For devices with touch screen - R29:

While R29 power up normally, in the dial interface, press **9999**, **Dial** key, **3888** and **OK** to enter the system setting interface. Go to **Info** interface to check the IP address.

Refer to the link to know more -

http://wiki.akuvox.com/doku.php?id=outdoor_station:feature_guides:how_to_obtain_ip_address_of_r2x

2.2. Connect/Login

Open a web browser, and access the corresponding IP address. Enter the default user name and password to login. The default administrator's user name and password are shown as below:

User Name: **admin**

Password: **admin**

Note: The recommended browser is Google Chrome.

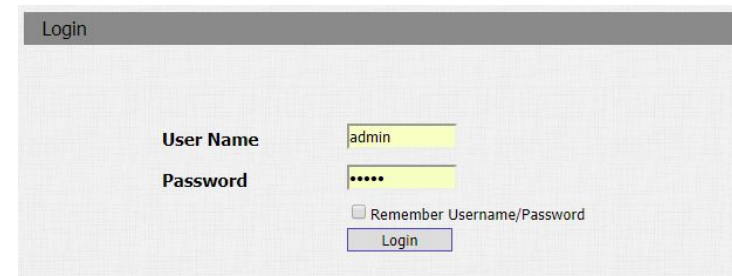


Figure 2.2 Access the device website

2.3. Preparations

1. Go to **Upgrade - Basic** interface to do web upgrade.

Upgrade: Choose **.rom/ .zip (Only for R29)** firmware from user's PC, and then click **Submit** to update.

Refer to the link to know more -

http://wiki.akuvox.com/doku.php?id=outdoor_station:feature_guides:how_to_do_firmware_upgrade_in_r2x

2. Go to **Upgrade - Basic** interface to reset the door phone to factory settings.

Refer to the link to know more -

http://wiki.akuvox.com/doku.php?id=outdoor_station:feature_guides:how_to_do_factory_reset_in_r2x

For R29, after resetting to factory settings, follow the hint and select **“Building”** theme for using.

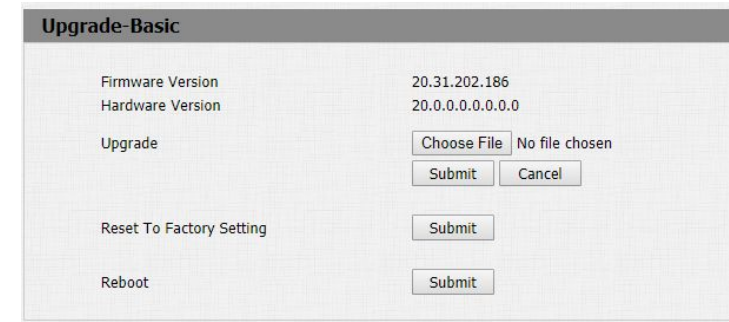


Figure 2.3-1 Web upgrade

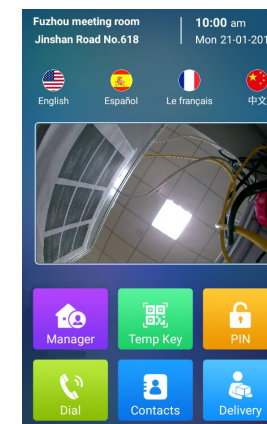


Figure 2.3-2 R29 interface which is with "Building" theme

3. Go to **Intercom - RTSP** interface to enable the RTSP stream in door phone.

Refer to the link to know more -

http://wiki.akuvov.com/doku.php?id=outdoor_station:feature_guide:s:3_kinds_of_video_stream_in_r2x

4. Go to **Intercom - Relay** interface to enable the Unlock via HTTP command feature.

Refer to the link to know more -

http://wiki.akuvov.com/doku.php?id=outdoor_station:feature_guide:s:how_to_configure_http_unlock_in_r2x



Figure 2.3-3 RTSP Feature Enabled

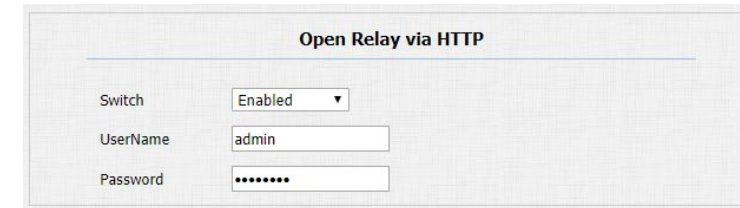


Figure 2.3-4 Unlock via HTTP Command Feature Enabled

2.4. Add Drivers in Composer

Run the **Composer** software, and go to **Items - Search** interface to find the door phone driver which users can enter **Akuvox** to search.

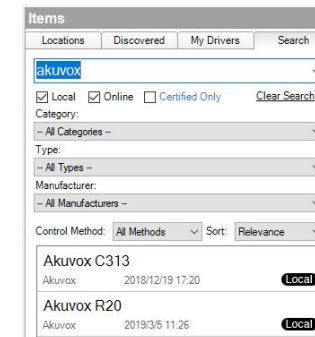


Figure 2.4-1 Find drivers

Double click to add drivers (Depend on which model users use, here we take R20 for an example) to the project which users can see in the **System Design** interface and rename the driver to identify.

Note: If the drivers can not be found online, please contact Akuvox technical support for it.

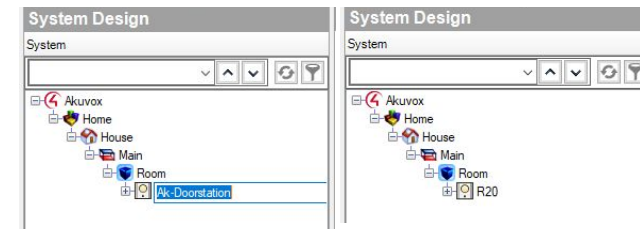


Figure 2.4-2 Add drivers and rename

2.5. Bind Drivers to Devices

Go to **Connections - Network - IP Network Connections** interface to bind the driver to device via directly moving item from **Available Devices** interface.

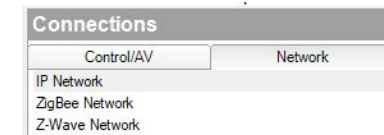


Figure 2.5-1 Find interface



Figure 2.5-2 Bind drivers to devices

2.6. SIP and HTTP Unlock Settings

Go to **System Design** interface to select the door phone first.

Go to **Properties** interface to configure SIP account, SIP password, enable the Relay via HTTP option and configure its username and password. Every row needs to be confirmed by clicking on the **Set** button.

Back to door phone's website, and go to **Status - Basic - Account Information** interface to check whether the SIP account is registered or not.

Note: If the SIP account is not registered, users can

1. Check whether the **Communication** agents is added or not;
2. If added, reboot the controller to try to active the SIP server again.

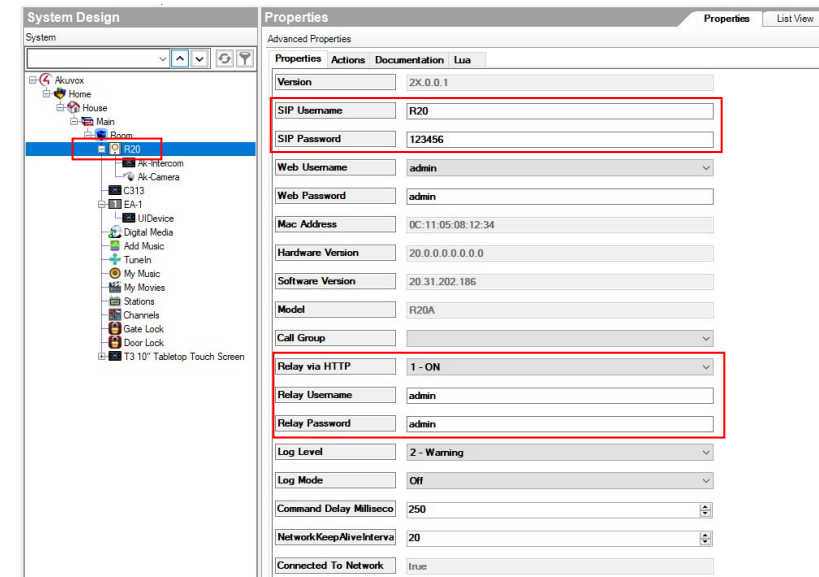


Figure 2.6 SIP and HTTP unlock settings

2.7. Lock Manipulation

Go to **Items - My Drivers** interface to find the door lock driver.

Double click to add drivers to the project and rename them.

Go to **Connections - Control/AV** interface and select door lock.

Go to **Control&Audio Video Connections** interface bind the driver to device's relay port via directly moving item to **Relay Output Devices** interface.

Go to **Programming** interface, select door phone and select door phone event to be **UI Button One/Two Pressed**.

Go to **Actions** interface, select door lock, select the lock actions to be **Toggle the room->Lock** and move the lock action to **Script** interface.

Go to **System Design** interface to select the door phone -

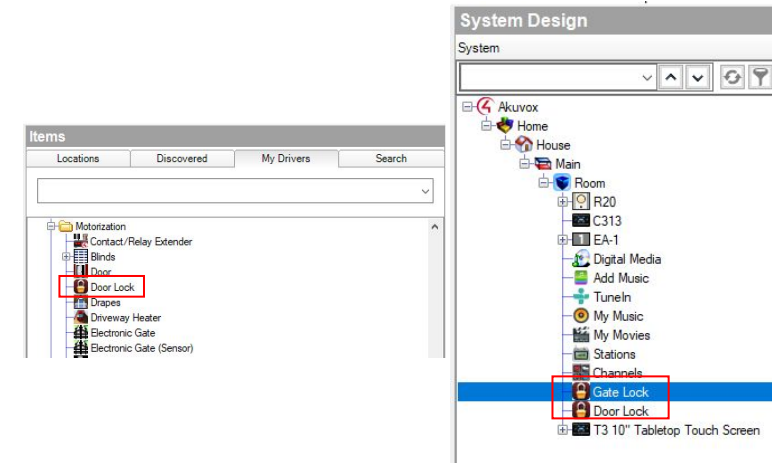


Figure 2.7-1 Lock manipulation

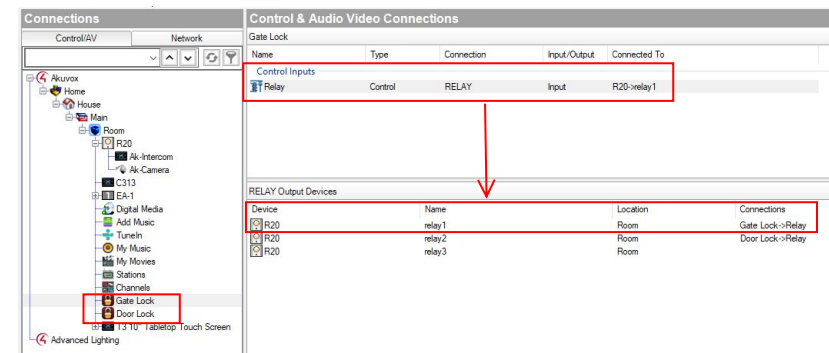


Figure 2.7-2 Lock manipulation

Intercom.

Go to **Properties - Custom Buttons** interface to tick to enable two UI buttons which can be used as the trigger for sending HTTP command to door phone to unlock doors and rename them.

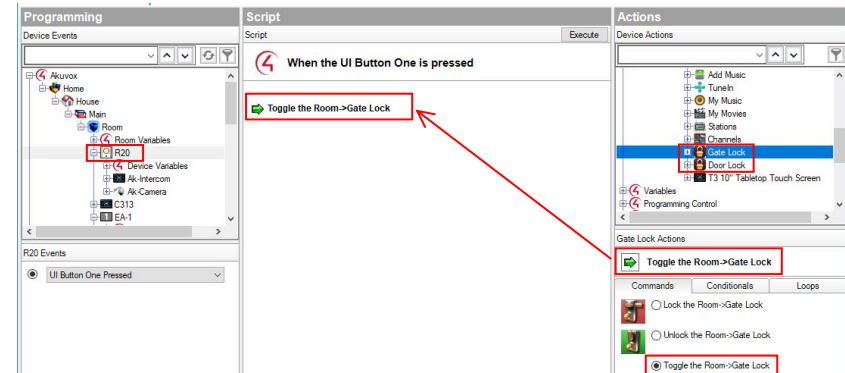


Figure 2.7-3 Lock manipulation



Figure 2.7-4 Lock manipulation

2.8. Communication Settings

1. Call group

Go to **Agents** interface and add Communication agent first.

The default **All** call group is only with Control4 devices, like T3.

Users can add new call group, like Call_to_C313_and_T3, and add C313 and T3 to it.

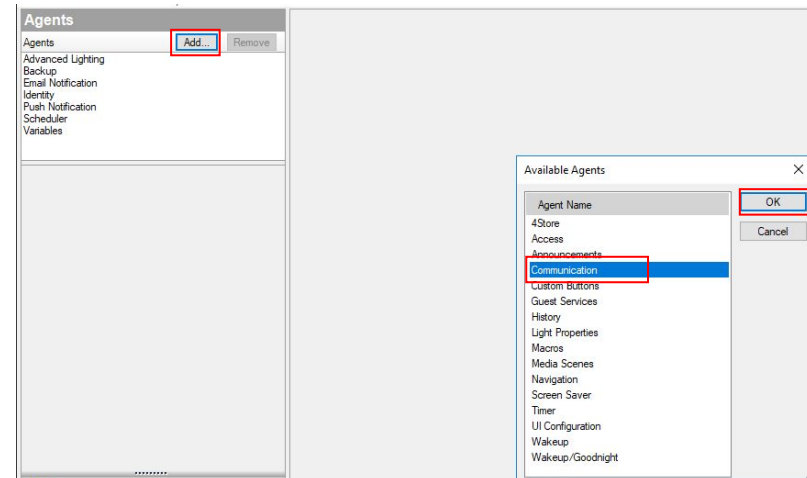


Figure 2.8-1 Communication settings

Go to **System Design** interface to select door phone.

Go to **Properties** interface to select which group the door phone should call.

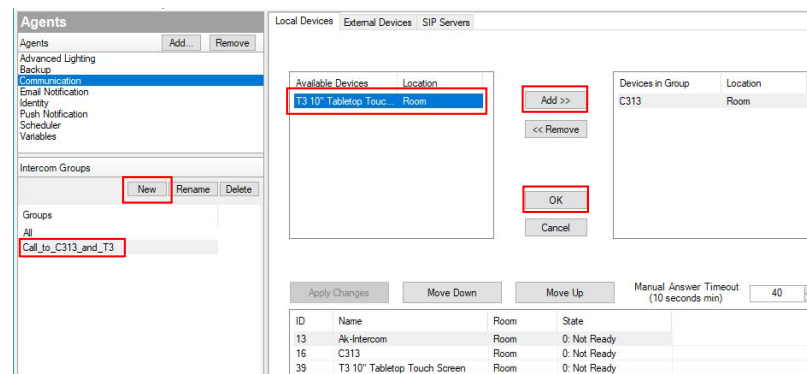


Figure 2.8-2 Communication settings

2. Call volume settings from composer

Go to **System Design** interface to select the door phone - **Intercom**, and then users can configure call volume settings.

Note: The call volume can not be muted from composer.

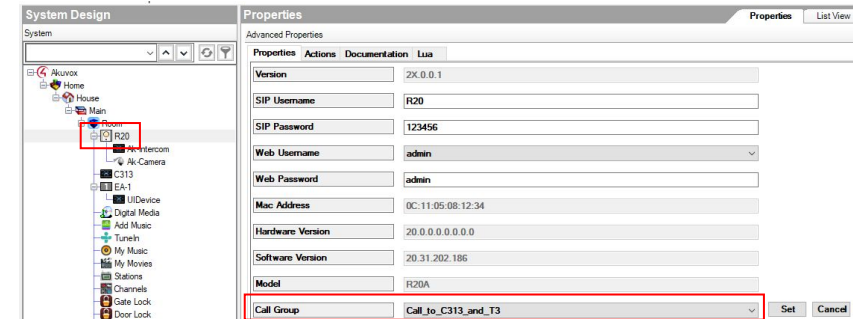


Figure 2.8-3 Communication settings

After each settings is done, upload this project to Controller (File/ Refresh Navigators).

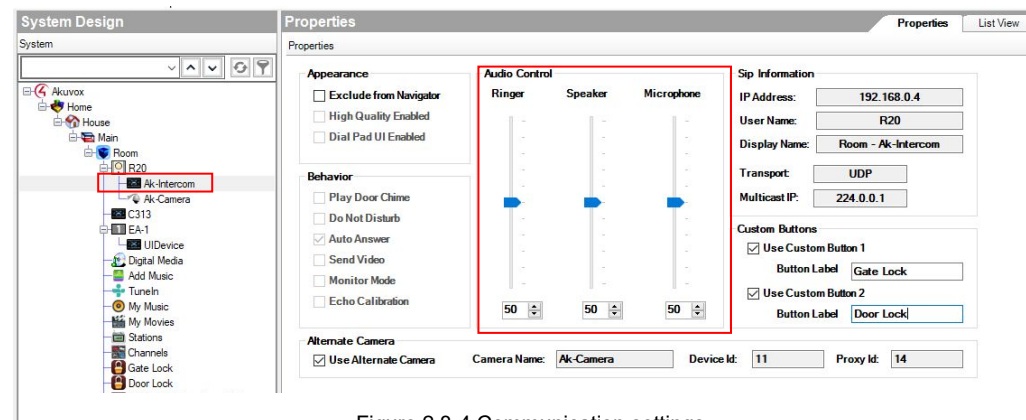


Figure 2.8-4 Communication settings

3. Indoor Monitor Configuration

3.1. Obtain IP Address

When booting indoor monitor first time, users need to choose a suitable way to connect to network **wireless or wire**, and then click **Skip**.

Users can go to **More - Status - Network** to check IP address.

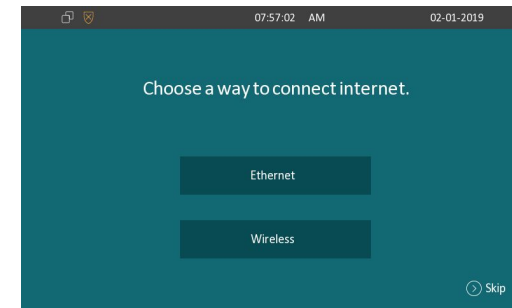


Figure 3.1-1 Obtain IP address

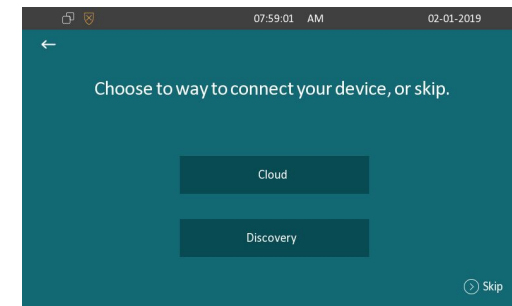


Figure 3.1-2 Obtain IP address

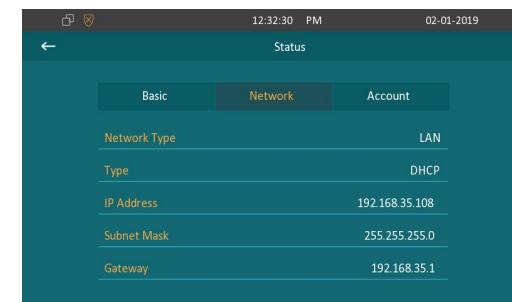


Figure 3.1-3 Obtain IP address

3.2. Connect/Login

Open a web browser, and access the corresponding IP address. Enter the default user name and password to login. The default administrator's user name and password are shown as below:

User Name: **admin**

Password: **admin**

Note: The recommended browser is Google Chrome.



Figure 2.2 Access the device website

3.3. Preparations

1. Go to **Upgrade - Basic** interface to do web upgrade.

Upgrade: Choose **.rom/ .zip (For C315, C317, IT82, IT83)** firmware from user's PC, and then click **Submit** to update.

Refer to the link to know more -

http://wiki.akuvox.com/doku.php?id=indoor_monitor:feature_guides:how_to_do_firmware_upgrade_in_c31x_or_it8x

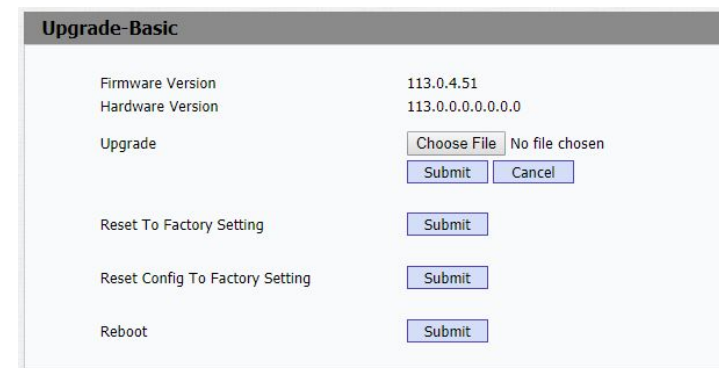


Figure 3.3 Web upgrade

2. Go to **Upgrade - Basic** interface to reset the indoor monitor to factory settings.

Refer to the link to know more -

http://wiki.akuvox.com/doku.php?id=indoor_monitor:feature_guides:how_to_do_factory_reset

3.4. Add Drivers in Composer

Run the Composer software, and go to **Items - Search** interface to find the indoor monitor driver (Depend on which model users use, here we take C313 for an example) which users can enter **Akuvox** to search.

Double click to add drivers to the project which users can see in the **System Design** interface and rename the driver to identify.

Note: If the drivers can not be found online, please contact Akuvox technical support for it.

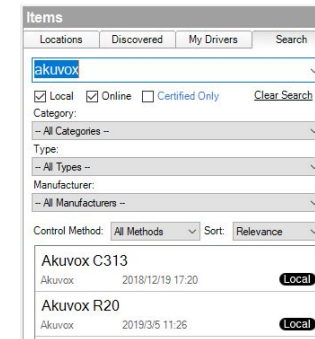


Figure 3.4-1 Find drivers

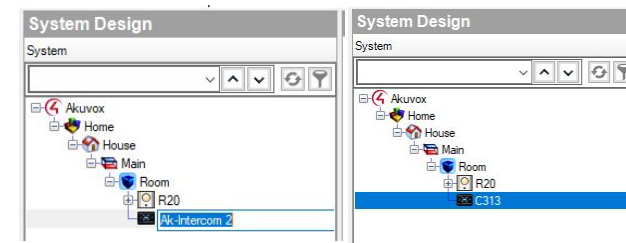


Figure 3.4-2 Add drivers and rename

3.5. Bind Drivers to Devices

Go to **Connections - Network - IP Network Connections** interface to bind the driver to device via directly moving item from **Available Devices** interface.



Figure 3.5-1 Find interface

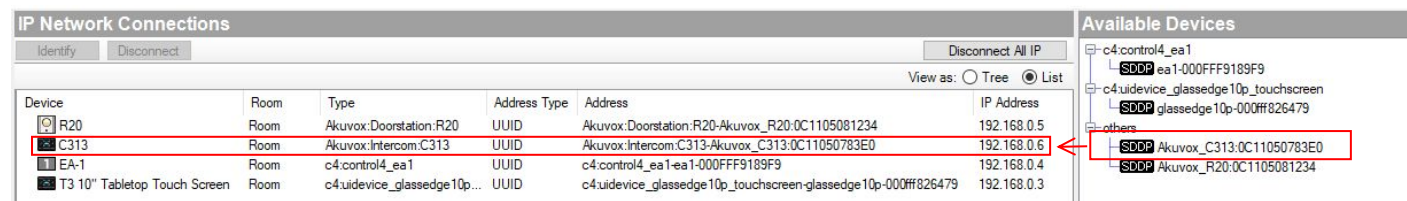


Figure 3.5-2 Bind drivers to devices

3.6. SIP Settings

Go to **System Design** interface to select the indoor monitor first.

Go to **Properties** interface to configure SIP account and SIP password. Every value need to be confirm by a **Set** button.

Back to indoor monitor's website, and go to **Status - Basic - Account Information** interface to check whether the SIP account is registered or not.

Note: If the SIP account is not registered, users can

1. Check whether the **Communication** agents is added or not;
2. If added, reboot the controller to try to active the SIP server again.

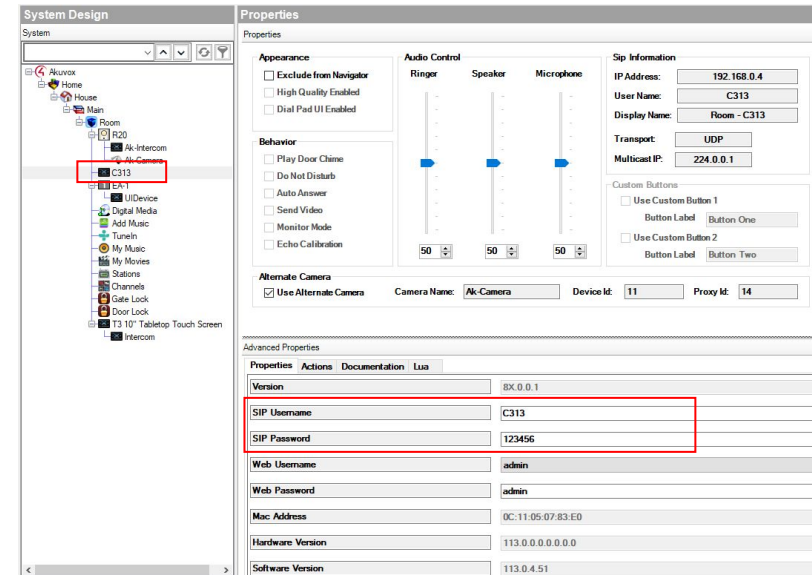


Figure 3.6 SIP and HTTP unlock settings

3.7. Communication Settings

1. Call volume settings from composer

Go to **System Design** interface to select the door phone - **Intercom**, and then users can configure call volume settings.

Note: The call volume can not be muted from composer.

After each settings is done, upload this project to Controller (File/Refresh Navigators).

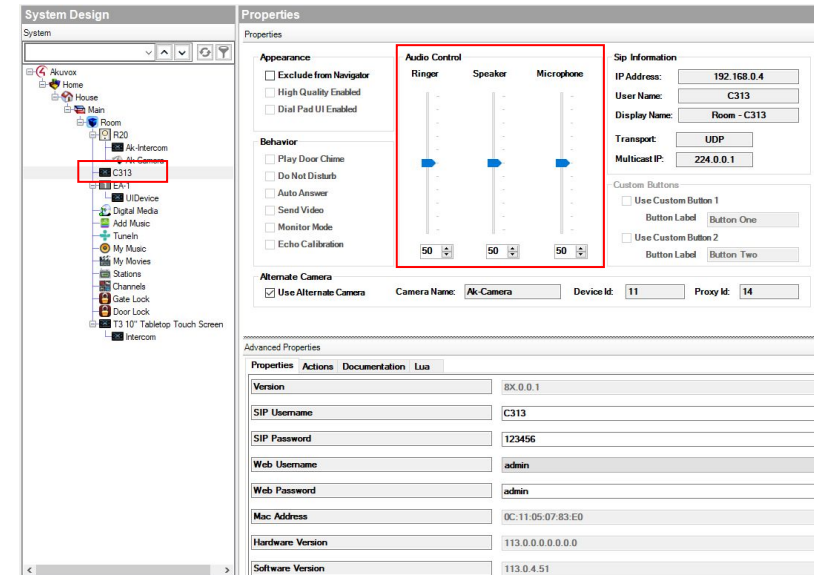


Figure 3.7 Communication settings

Appendix: Limitation in Akuvox Drivers

1. Supported features from Composer:

SIP settings, unlock via HTTP command settings, video preview settings, Call group (The default All call group is only with Control4 devices, like T3), Ringer, Speaker, Mic sliders (The call volume can not be muted from composer), Custom Buttons, Alternate Camera

2. Unsupported features from Composer:

Play Door Chime, Do Not Disturb, Auto Answer, Send Video, Stop Video, Pause/Resume Call, Monitor Mode, Current Session, API Calls, set show main/mirror video

Contact us

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We highly appreciate your feedback about our products.

